(Use several sheets if necessary)

Comparable to PTO/SB/08a (05-07)

Application Number:	10/716,141
Filing Date:	November 18, 2003
First Named Inventor:	Matthias ECKHARDT, et al.
Art Unit:	1624
Examiner Name:	Mark L. Berch
Attorney Docket Number:	01/1419

				U.:	S. PATENTS	_
Examiner Initial*	No. Patent Number		Kind Code	Issue Date yyyy/mm/dd	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear or Relevant Comments
	1.	2928833		1960-03-15	Leake et al	
	2.	4005208		1977-01-25	Bender	
	3.	4599338		1986-07-08	Regnier et al.	This patent appears to be an English language equivalent toEP0149578 cited herein.
	4.	5041448		1991-08-20	Janssens	
	5.	5051517		1991-09-24	Findeisen	This patent appears to be an English language equivalent toEP0399285 cited herein.
	6.	5223499	A	1993-06-29	Greenlee	
	7.	5234897	A	1993-08-10	Findeisen et al.	
	8.	5258380	A	1993-11-02	Janssens	
	9.	5266555	A	1993-11-30	Findeisen et al.	This patent appears to be an English language equivalent toEP0524482 cited herein.
	10.	5389642	A	1995-02-14	Dorsch	
	11.	5470579	A	1995-11-28	Bonte et al.	This patent appears to be an English language equivalent toWO9107945 cited herein.
	12.	5719279	A	1998-02-17	Kuefner-Muhl et al.	This patent appears to be an English language equivalent toWO94/03456 cited herein.
	13.	5753635	A	1998-05-19	Buckman	
	14.	6303661	B1	2001-10-16	Demuth	
	15.	6342601	B1	2002-01-29	Bantick	
	16.	6548481	B1	2003-04-15	Demuth et al.	
	17.	6579868	B1	2003-06-17	Osamu Asano	
	18.	6784195		2004-08-03	Hale et al.	
	19.	6821978	B2	2004-11-23	Chackalamannil	
	20.	6869947	B2	2005-03-22	Kanstrup	
	21.	7060722	B2	2006-06-13	Kitajima	
	22.	7074794	B2	2006-07-11	Kitajima	This patent appears to be an English language equivalent toWO2002/14271 cited herein.
	23.	7074798	B2	2006-07-11	Yoshikawa	
	24.	7074923	B2	2006-07-11	Dahanukar	
	25.	7109192	B2	2006-09-19	Hauel	
	26.	7179809	B2	2007-02-20	Eckhardt	
	27.	7183280	B2	2007-02-27	Himmelsbach	
	28.	7192952	B2	2007-03-20	Kanstrup	
	29.	7217711	B2	2007-05-15	Eckhardt	
	30.	7235538	B2	2007-06-26	Kanstrup et al.	

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			U.S. 1	PATENT APPLI	CATION PUBLICATIONS	
Examiner Initial*	Cite No.	Publication Number	Kind Code	Publication Date yyyy/mm/dd	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear or Relevant Comments
	1.	1. 2007/0255900		2007-09-24	Sieger	
	2.	Ser. No. 11/744701		Unpublished, filed May 4, 2007	Kohlrausch	
	3.	2002/0161001	A1	2002-10-31	Kanstrup	
	4.	2002/0169174	A1	2002-11-14	Chackalamannil et al.	
	5.	2003/0199528	A1	2003-10-23	Kanstrup	
	6.	2003/0232987	A1	2003-12-18	Dahanukar et al.	
	7.	2003/0236272	A1	2003-12-25	Carr	
	8.	2003/0105077	A1	2003-06-05	Kanstrup, A.B. et al.	
	9.	2004/0034014	A1	2004-02-19	Kanstrup, A.B. et al.	
	10.	2004/0077645	A1	2004-04-22	Himmelsbach et al.	This document appears to be an apparent English language equivalent to WO2002068420 cited herein.
	11.	2004/0087587	A1	2004-05-06	Himmelsbach	
	12.	2005/0020574	A1	2005-01-27	Hauel, N. et al.	
	13.	2005/0026921	A1	2005-02-03	Eckhardt	
	14.	2005/0130985	A1	2005-06-16	Himmelsbach	
	15.	2005/0171093	A1	2005-08-04	Eckhardt et al.	
	16.	2005/0187227	A1	2005-08-25	Himmelsbach et al.	
	17.	2005/0203095	A1	2005-09-15	Eckhardt	
	18.	2005/0234108	A1	2005-10-20	Himmelsbach et al.	
	19.	2005/0261352	A1	2005-11-24	Eckhardt	
	20.	2006/0004074	A1	2006-01-05	Eckhardt	
	21.	2006/0058323	A1	2006-03-16	Eckhardt et al.	
	22.	2006/0063787	A1	2006-03-23	Yoshikawa	
	23.	2006/0094722	A1	2006-05-04	Yasuda	This document appears to be an apparent English language equivalent to WO2004/028524 cited herein.
	24.	2006/0142310	A1		Pfrengle et al.	This document appears to be an apparent English language equivalent to WO2006/048427 cited herein.
	25.	2006/0173056	A1	2006-08-03	Kitajima	
	26.	0000/0005744	ļ., ⁻	2000 02	Ui	This document appears to be an apparent English language equivalent to
		2006/0205711	A1		Himmelsbach	DE10117803 cited herein.
	27.	2006/0247226	A1		Himmelsbach	
	28.	2007/0027168	A1		Pfrengle et al.	
	29.	2007/0088038	A1	2007-04-19		-
	30.	2007/0093659	A1	2007-04-26		
	31.	2007/0142383	A1	2007-06-21		
├	32.	2007/0281940	A1	2007-12-06		
	33.	2007/0219178	A1	2007-09-20	Muramoto	

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				OREIG	N PATENT I	OCUMENTS		
Examiner	Cite	Foreign Document	Country	Kind	Publication	Name of Patentee or Applicant of	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear or Relevant	1.
Initial*	No.	Number	Code	Code	Date	cited Document	Comments	$\sqrt{1}$
	1.	2136288	CA	A1	1995-05-24	Merck Patent GmbH Mitsubishi Pharma	This document appears to be an apparent English language equivalent to EP0657454 cited herein	
	2.	2418656	CA	A1	2002-02-21	Corporation		
	3.	2496249	CA	A1	2004-04-03		This document appears to be an apparent English language equivalent to WO2004018468 cited herein This document appears to be an	
	4.	2496325	CA	A1	2004-03-04	BI Pharma GmbH & Co. KG	apparent English language equivalent to WO20040184687 cited herein	
	5.	2505389	CA	A1	2004-05-21	BI Pharma GmbH &	This document appears to be an apparent English language equivalent to WO2004041820 cited herein	
	6.	2508233	CA	A1	2004-06-17	BI Pharma GmbH & Co. KG	This document appears to be an apparent English language equivalent to WO2004050658 cited herein	
	7.	2529729	CA	A1	2004-12-23	Bl International GmbH	This document appears to be an apparent English language equivalent to WO2004111051 cited herein	
	8.	2543074	CA	A1	2005-06-30	Bl International GmbH	This document appears to be an apparent English language equivalent to WO2005/058901 cited herein	
	9.	2555050	CA	A1	2005-09-15	Bl International GmbH	This document appears to be an apparent English language equivalent to WO2005/085246 cited herein	
	10.	2556064	CA	A1	2005-09-09	Bl International GmbH	This document appears to be an apparent English language equivalent to WO2005/082906 cited herein	
	11.	2590912	CA	A1	2006-06-29	Dainippon Sumitomo Pharma Co., Ltd.	This document appears to be an English language equivalent to WO2006068163 cited herein	
	12.	10109021	DE	A1	2002-09-05	Boehringer Ingelheim Pharma KG	US2006/0205711 cited herein appears to be an apparent English language equivalent	
	13.	10117803	DE	A1	2002-10-24	Boehringer Ingelheim Pharma KG		
	14.	0149578	EP	A2	1985-07-24	ADIR	US4599338 cited herein appears to be an apparent English language equivalent	
	_15.	0399285	EP	A1	1990-11-28	Bayer AG	US5051517 cited herein appears to be an apparent English language equivalent	
	16.	0400974	EP	A2	1990-05-12	Merck & Co. Inc.		
	17.	0412358	ED	A1	1991-02-13	Boyer AG		V

 $^{^{1}}$ $\sqrt{}$ indicates English Language translation is attached

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				FOREIG	N PATENT I	OCUMENTS		_
	8. 052	24482	EP	A1	1993-01-27	Bayer AG	US5266555 cited herein appears to be an apparent English language equivalent	
	9. 06	57454	ED	A1	1005.05.14	Merck Patent GmbH	CA2136288 cited herein appears to be an apparent English language equivalent	
		37454		A1			equivalent	+
					2000-11-22	Eisai Co. Ltd		+
		8595		A2	2003-08-27	Eisai Co. Ltd		+
	22. 151	4552	EP	A1	2005-03-16	Eisai Co. Ltd		-
	23. 150	37880	EP	A1	2005-08-06	Takeda Pharmaceutical Company Limited		
1	24. 38	35302	ES	A1	1973-04-16	Laboratorios Miquel		1
1	25. 270	7641	FR	A1	1995-01-20	Fournier Ind. Et Sante		
	26. 2003/30			,,,	2003-10-21	Sumitomo Pharma Co. Ltd		1
1.3	27. 2006/04	5156	JP		2006-02-16	Sumitomo Pharma		1
						Yoshitomi		V
:	28. S37	-4895	JP		1962-06-16	Pharmaceutical Corp.		١.
	29. 91/0	7945	wo	A1	1991-06-13	LVMH Recherche	US5470579 cited herein appears to be an apparent English language equivalent	
		3456		A1	1994-02-17	Boehringer Ingelheim Int'l GmbH	US5719279 cited herein appears to be an apparent English language equivalent	
	31. 99/2	29695	WO	A1	6/17/1999	Astra Aktiebolag		L
	32. 2002/1	4271	wo	A1	2002-02-21	Welfide Corporation	US7074794 cited herein appears to be an apparent English language equivalent	
	33. 2003/02			A2	2003-03-27	Novo Nordisk A/S		t
	34. 2003/05			A2	2003-07-17	Novo Nordisk A/S		+
	35. 2004/01			A2	2003-07-17	Boehringer Ingelheim Pharma GmbH & Co. KG	CA2496325 cited herein appears to be an apparent English language equivalent	
3	36. 2004/01	8468	wo	A2	2004-03-04	Boehringer Ingelheim Pharma GmbH & Co. KG	CA2496249 cited herein appears to be an apparent English language equivalent	
	37. 2004/02	28524	wo	A1	2004-04-09	Eisai Co., Ltd.	US2006/0094722 cited herein appears to be an apparent English language equivalent	
	88. 2004/03			A2	2004-04-22	Novo Nordisk		Τ
	39. 2004/04			A1		Boehringer Ingelheim Pharma GmbH	CA2505389 cited herein appears to be an apparent English language equivalent	
	10. 2004/04	8379	wo	A1	2004-06-10	Sumitomo Pharm Co., Ltd.	Otorroson - h- dh	V
	11. 2004/05	0658	wo	A1	2005-06-17	Boehringer Ingelheim Pharma GmbH & Co. KG	CA2508233 cited herein appears to be an apparent English language equivalent	
	2004/09	6806	wo	A1	2004-11-11	Sumitom Pharm. Co. Ltd Fuiisawa Pharma.		٧
- 4	3. 2004/10	8730	wo	A1	2004-12-16			L

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			FOREIG	N PATENT I	OCUMENTS	
44.	2004/111051	wo	A1	2005-12-23	BI Int'i GmbH	CA2529729 cited herein appears to be an apparent English language equivalent
45.	2005/058901	wo	A1	2005-06-30	BI Int'l GmbH	CA2543074 cited herein appears to be an apparent English language equivalent
46.	2005/082906	wo	A1	2005-09-09	BI Int'l GmbH	CA2556064 cited herein appears to be an apparent English language equivalent
47.	2005/085246	wo	A1	2005-09-15	BI Int'l GmbH	CA2555050 cited herein appears to be an apparent English language equivalent
48.	2006/048427	wo	A1	2006-05-11	BI Int'l GmbH	US2006142310 cited herein appears to be an apparent English language equivalent
49.	2006/068163	wo	A1	2006-06-29	Dainippon Sumitomo Pharma Co., Ltd.	CA2590912 cited herein appears to be an English language equivalent
50.	2007/017423	wo	A2	2007-02-15	F. Hoffmann-La Roche AG	

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initial*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages (s), volume-issue number(s), publisher, city and/or country where publisher of the propriate of th	$\sqrt{2}$
	1.	AUGUSTYNS, K. et al., The Unique Properties of Dipeptidyl-peptidase IV (DPP IV/CD 26) and the Therapeutic Potential of DPP-IV Inhibitors, Current Medicinal Chemistry, Vol. 6, No. 4, 1999, pp. 311-327.	
	2.	BELJEAN-LEYMARIE et al., Hydrazines et hydrazones hétérocycliques. IV. Synthèses de dérivés de l'hydrazine dans la série des imidazo[4,5-d]pyridazinones-4, Can. J. Chem., Vol. 61, No. 11, 1983, pp. 2563-2566.	1
	3.	BOLLAG, R.J. ET AL; "Osteoblast-Derived Cells Express Functional Glucose-Dependent Insulinotropic Peptide Receptors," Endocrinology, Vol. 141, No. 3, 2000, pp. 1228-1235.	
	4.	BRITTAIN, H.G., "Methods for the Characterization of Polymorphs: X-Ray Powder Diffraction," Polymorphism in Pharmaceutical Solids, 1999, p. 235-238	
	5.	BUSSO ET AL., "Circulating CD26 is Negatively Associated with Inflammation in Human and Experimental Arthritis," Am. J. Path., Vol. 166, No. 2, Feb. 2005, pp. 433-442.	
	6.	CAIRA, M.R., "Crystalline polymorphism of organic compounds" Topics in Current Chemistry, Springer, Berlin, Vol. 198, 1998, p. 163-208	
	7.	CONARELLO, S.L. ET Al.; "Mice lacking dipeptidyl peptidase IV are protected against obesity and insulin resistance," PNAS 2003; 100:6825-6830; originally published online May 14, 2003; information current as of December 2006. www.pnas.org/cgi/content/full/10011/6825.	
	8.	DEACON, C.F. ET AL; "Dipeptidyl peptidase IV inhabitation as an approach to the treatment and prevention of type 2 diabetes: a historical perspective;" Biochemical and Biophysical Research Communications (BBRC) 294 (2002) 1-4.	
	9.	DeMEESTER, I. ET AL.; "CD26, let it cut or cut it down", Review: Immunology Today; August 1999, Vol. 20, No. 8 pp.367-375	
	10.	KOROM, S. ET AL; "Inhibition of CD26/dipeptidyl peptidase IV activity in vivo prolongs cardiac allograft survival in rat recipients ¹² , Transplantation, May 27, 1997, Vol. 63, no 10, pp 1495-1500.	
	11.	POSPISILIK, ET AL; "Dipeptidyl Peptidase IV Inhibitor Treatment Stimulates β -Cell Survival and Islet Neogenesis in Streptozotocin-Induced Diabetic Rats; Diabetes, Vol. 52, March 2003 pp 741-750.	
	12.	RHEE ET AL.: "Nitrogen-15-Labeled Deoxynucleosides. 3. Synthesis of [3- ¹⁵ N]-2-Deoxyadenosine" J. Am. Chem. Soc. 1990, 112, 8174-8175	
	13.	SEDO, A. ET AL; "Dipeptidyl peptidase IV activity and/or structure homologs: Contributing factors in the pathogenesis of rheumatoid arthritis?" Arthritis Research & Therapy 2005, Vol. 7, pp. 253-269	

 $^{^2~\}sqrt{}$ indicates English Language translation is attached

Examiner:	Date Considered:	
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14.	TANAKA, S., ET AL; "Suppression of Arthritis by the Inhibitors of Dipeptidyl Peptidase IV," In. J. Immunopharmac., Vol. 19, No. 1, pp. 15-24, 1997
	WOLFF, M.E.: "Burger's Medicinal Chemistry and Drug Discovery" Fifth Edition, Vol 1: Principles and Practice, pgs. 975-977, 1994, John Wiley & Sons, Inc.,
	ZHONG, QING ET AL; "Glucose-dependent insulinotropic peptide stimulates proliferation and TGF-β release from MG- 63 cells," Peptides 24 (2003) 611-616
	Chemical Abstracts Accession No. 1997:95577: Abstract of ROMANENKO et al., "Synthesis and biological activity of 3-methyl, 7- or 8-alkyl, 7,8-dialkyl, heterocyclic, and cyclohexylaminoxanthines," Farmatsevtichnii Zhurnal, 1986, (Kiev), Vol. 5, 1986, pp. 41-44.
18.	Chemical Abstracts Accession No. 106:95577 ROMANENKO ET AL., "Synthesis and biological activity of 3-methyl, 7-or 8-alkyl-7,8-dialkyl, heterocyclic, and cyclohexylaminoxanthines," Zaporozh. Med. Institute (1986)
19.	YOSHIKAWA, SEIJI ET AL.: Chemical Abstract of Japanese Patent No. WO 2003/104229 "Preparation of purinone derivatives as dipeptidylpeptidase IV (DPP-IV) inhibitors
20.	PATANI GEORGE A. ET AL.: "Bioisoterism: A Rational Approach in Drug Design", Chemical Reviews, 1996, Vol. 96, No. 8, pgs. 3147-3176
21.	International Search Report for PCT/EP03/09127 mailed November 28, 2003.
22.	International Search Report for PCT/EP03/13648 mailed April 5, 2004.
23.	International Search Report for PCT/EP2007/054270 mailed August 14, 2007.
24.	International Search Report for PCT/EP2007/058181 mailed November 28, 2007.
25.	International Search Report for PCT/EP2007/054204 mailed August 3, 2007.
26.	International Search Report for PCT/EP2007/054201 mailed August 29, 2007

Examiner: Date Considered:
